Ruckus
Simply Better Wireless.

data sheet

BENEFITS

Ubiquitous connectivity
In-room device provides complete wired and wireless connectivity for a wide range of devices and applications

Converged IP services
Multiple SSIDs, port-based VLANs and robust authentication options make the ZoneFlex 7025 ideal for supporting concurrent IP-based services such as VoIP, IPTV, high-speed Internet access and in-room device connectivity

Standalone or centrally managed
The ZoneFlex 7025 can be deployed in standalone mode or centrally managed by the Ruckus ZoneDirector or Ruckus FlexMaster systems

Superior, fast Wi-Fi connectivity
802.11n system delivers ultra high-speed connectivity and extends coverage in-room and beyond

Flexible deployment options
The ZoneFlex 7025 requires a single POE cable drop, reducing cabling, switch ports and power sourcing equipment

Easy installation
Installs into any standard network wall jack, offering two Ethernet uplink options: RJ-45 connector and a 110 punch down block

Sleek, inconspicuous compact form factor for best aesthetics
Low profile design and front port access eliminates unsightly cabling and disruptive furniture placement

Integrated POE support eliminates more wires
Provides POE out to power devices such as IP-based VoIP phones eliminating the need for more power chords that clutter the environment

Plug and play for existing digital phones
Passthrough port allows native connectivity for existing digital phones

ZoneFlex™ 7025

MULTISERVICE 802.11N WIRED/WIRELESS WALL SWITCH

The First High Performance 802.11n Integrated Wired/Wireless Wall Switch

The Ruckus ZoneFlex 7025 is the industry's first wired and wireless wall switch that integrates high-speed 802.11n Wi-Fi into an ultra-sleek, low-profile design that can be quickly and discretely installed in a standard wall junction box.

Ideal for offering converged services within hotel guest rooms and university dormitories, the ZoneFlex 7025 provides an easy way to offer multiple connections into a single room without multiple cables.

The ZoneFlex 7025 delivers high performance 2.4GHz 802.11n wireless coverage and four wired Ethernet access connections that can be used to support a range of in-room IP device and user connectivity options. An additional pass-through port allows connectivity for digital phones that requires native access to an in-house PBX system.

An IEEE 802.3af-compliant POE port, up to 15.4 watts, powers devices such as IP telephones directly from the wall switch. The ZoneFlex 7025 requires only a single POE cable drop thereby reducing cabling, switch ports, and power sourcing equipment.

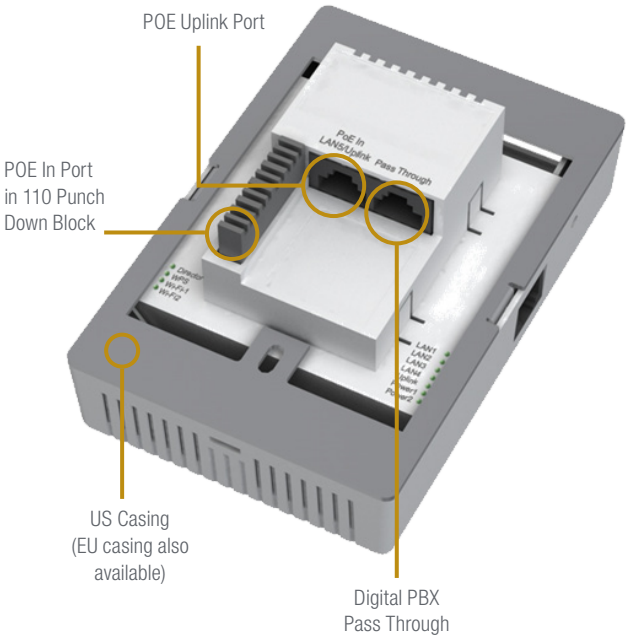
The ZoneFlex Wi-Fi Wall Switch is completely inconspicuous, minimizing the protrusion off the wall to make in-room cabling and furniture arrangement simple. Flexible deployment options allow the ZoneFlex 7025 to be easily installed via two uplink Ethernet options: an RJ-45 Ethernet jack or a 110 punch down block connection.

The ZoneFlex 7025 can be deployed as a standalone device or centrally managed by the Ruckus ZoneDirector or FlexMaster Wi-Fi system management platform.

With the ability to broadcast up to eight SSIDs per device, the ZoneFlex 7025 supports port-based VLANs. Authentication options include: 802.1x, MAC-based, captive portal, LDAP, RADIUS, Active Directory and through an internal user database.

ZoneFlex™ 7025

MULTISERVICE 802.11N WIRED/WIRELESS WALL SWITCH



FEATURES

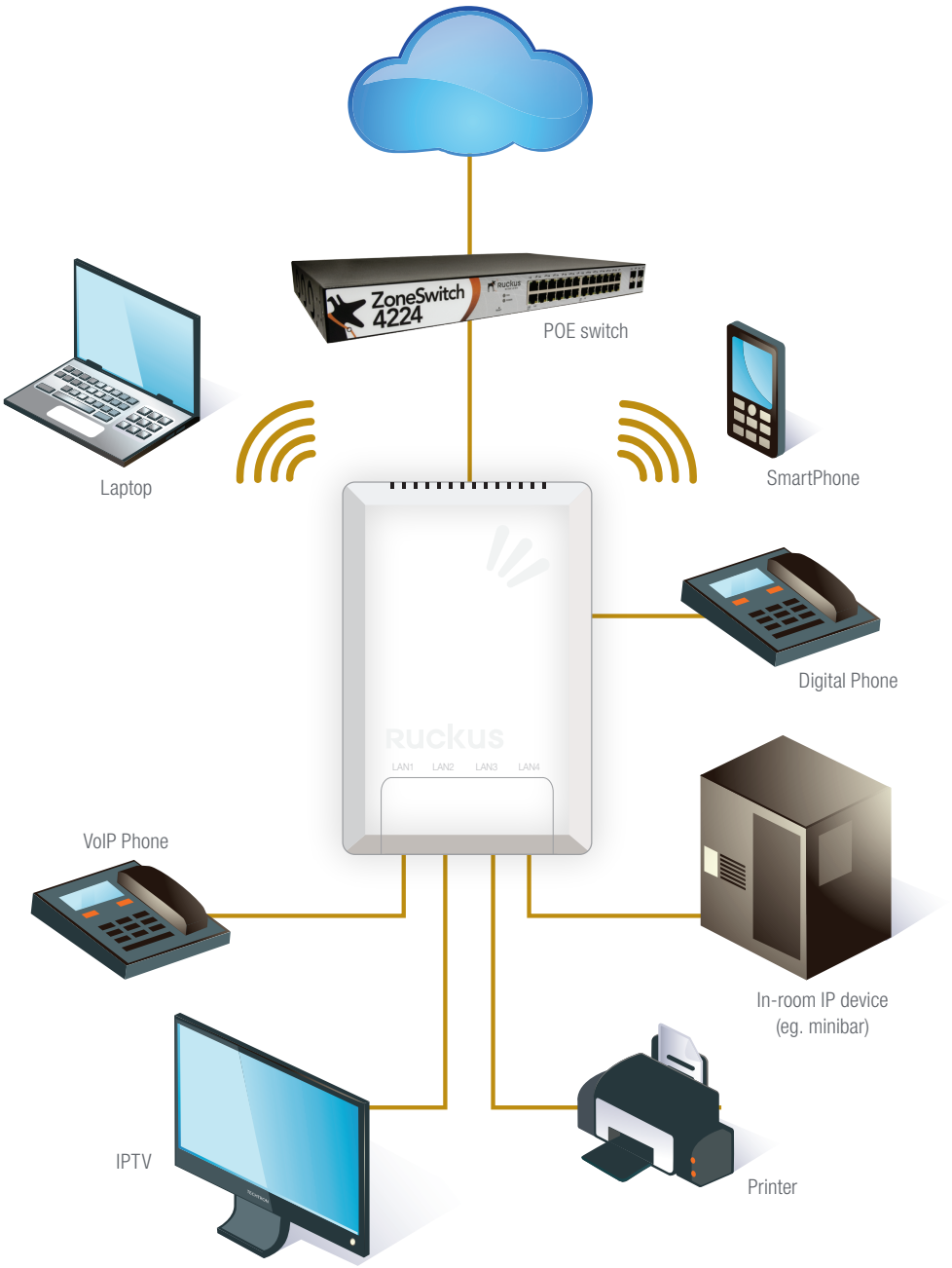
- Integrated Wi-Fi AP and Ethernet wall switch
- High Performance 2.4GHz 11n Wi-Fi and four Ethernet access ports offers HSIA
- Wi-Fi Redundancy, in-room coverage as well as corridor and adjacent room
- Powered by either POE or 48VDC
- Supplies POE power 7W or 15W, depending on input power
- SmartCast QoS
- 8 BSSIDs with unique QoS and security policies
- WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i
- 802.1X support for RADIUS and Active Directory*
- Zero-IT and Dynamic PSK*
- Captive portal and guess accounts*
- Mounts into standard US and EU single gang wall jack
- RJ-45 or 110 punch down block options for uplink Ethernet port
- One RJ-45 pass-through connection

* with ZoneDirector

ZoneFlex™ 7025

MULTISERVICE 802.11N WIRED/WIRELESS WALL SWITCH

Converged Wired and Wireless Services



Specifications

PHYSICAL CHARACTERISTICS	
POWER	• POE 802.3af/802.3at • 48VDC
PHYSICAL SIZE	• US/UN Casing (per NEMA WD6-2002): 128mm(L), 85mm(W), 56mm(H) • WW Casing (per BS 4662-2006+A1-2009): 85mm(L), 85mm(W), 56mm(H)
WEIGHT	• US/UN 150g • WW 140g
PHYSICAL PORTS	• 4 10/100Mbps, auto MDX, auto sensing, RJ-45 Ethernet access ports • Port 4 of the access ports provides 802.3af Class0/2 POE power • 1 10/100Mpbs, auto MDX, auto sensing, RJ-45 or 110 punch down block Ethernet access port • 1 RJ-45 pass-through port
ENVIRONMENTAL CONDITIONS	• Operating Temperature: 32°F (0°C) - 122°F (50°C) • Operating Humidity: 15% - 95% non-condensing
POWER DRAW	• Without POE Out: 7W Max • With maximum POE output (15.4W): 23W Max

RF	
PHYSICAL ANTENNA GAIN	• 2 dBi
MINIMUM RX SENSITIVITY	• Up to -92 dBm

PERFORMANCE AND CAPACITY	
CONCURRENT USERS	• 100
VOICE CALLS	• 10
THROUGHPUT	• 50-85 Mbps sustainable throughput for a 650 square foot (60 square meter) area

APPLICATIONS	
HOTSPOT	• WISPr
VOICE	• 802.11e/WMM • U-APSD

NETWORK ARCHITECTURE	
IP	• IPv4, IPv6, dual-stack
VLANs	• 802.1Q (1 per BSSID or dynamic, per user based on RADIUS) • Port-based
802.1X FOR ETHERNET PORTS	• Authenticator • Supplicant
TUNNELING	• L2TP, PPPoE

MULTIMEDIA AND QUALITY OF SERVICE	
802.11e/WMM	• Supported
SOFTWARE QUEUES	• Per traffic type (4), per client
TRAFFIC CLASSIFICATION	• Automatic, heuristics and TOS based or VLAN-defined
RATE LIMITING	• Dynamic, per-user or per-WLAN

MANAGEMENT	
DEPLOYMENT OPTIONS	• Standalone (individually managed) • Managed by ZoneDirector • Managed by FlexMaster
CONFIGURATION	• Web User Interface (HTTP/S) • CLI (Telnet/SSH), SNMP v1, 2, 3 • TR-069 vis FlexMaster
AUTO AP SOFTWARE UPDATES	• FTP or TFTP, remote auto available

WI-FI	
STANDARDS	• IEEE 802.11b/g/n • 2.4GHz
SUPPORTED DATA RATES	• **802.11n:** 6.5Mbps – 150Mbps • **802.11b:** 1, 2, 5.5 and 11Mbps • **802.11g:** 6, 9, 12, 18, 24, 36, 48 and 54Mbps
RADIO CHAINS	• 1 x 1
SPATIAL STREAMS	• 1
RF POWER OUTPUT	• 16dBm*
FREQUENCY BAND	• 2.4-2.484GHz
OPERATING CHANNELS	• US/Canada: 1-11 • EU (ETSI X30): 1-13 • Channel availability is country dependent according to the local regulations
BSSID	• 8
WIRELESS SECURITY	• WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i • Authentication via 802.1X with ZoneDirector, local authentication database, support for RADIUS, LDAP, and Active Directory
CERTIFICATIONS**	• US, Europe, Australia, Canada, China, Egypt, India, Indonesia, Korea, New Zealand, Philippines, Singapore, Taiwan, Thailand, UAE

* Maximum power varies by country
**Please see price list for latest certifications

Product Ordering Information

MODEL	DESCRIPTION
ZoneFlex 7025 Wi-Fi Wall Switch	
901-7025-XX02	ZoneFlex 7025 Wi-Fi Wall Switch
Optional Accessories	
902-0170-XX10	Power Supply (Qty. 10)
902-7025-0024	ZF7025 Adapter Bracket for use with Continental Europe electrical utility wall box

PLEASE NOTE: When ordering you must specify the destination region by indicating -US, -UN, or -WW instead of XX.

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